

# SEQUENCE LISTING

<110> OLSON, ERIC  
ARAI, AKIKO

<120> STARS - A MUSCLE-SPECIFIC ACTIN-BINDING PROTEIN

<130> MYOG:037US

<140> UNKNOWN

<141> 2003-08-20

<150> 60/404,706

<151> 2002-08-20

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<170> PatentIn Ver. 2.1

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Ile Gln Ser Gln Lys Leu Asn Pro Phe Ser Glu Glu Phe Asp Tyr Glu	
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Leu Ala Met Ser Thr Arg Leu His Lys Gly Asp Glu Gly Tyr Gly Arg	
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Pro Lys Glu Gly Thr Lys Thr Ala Glu Arg Ala Lys Arg Ala Glu Glu	
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Asp Arg Asp Gly Glu Gly Gln His Ser Glu Glu Ala Thr Glu Val Ser	
85 90 95	
cac att aaa agg aaa gag gtg acc aga acg gtt gtc agc aag gct tat	336
His Ile Lys Arg Lys Glu Val Thr Arg Thr Val Val Ser Lys Ala Tyr	
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Glu Arg Gly Gly Asp Val Asn Tyr Leu Ser His Arg Tyr Glu Asn Asp	
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Val Ser Glu Leu Thr Lys Gly Trp Lys Val Met Glu Gln Glu Glu Pro	
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Thr Trp Lys Ser Asp Ser Val Asp Thr Glu Asp Ser Gly Tyr Gly Gly	
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Asp Met Glu Glu Arg Pro Glu Gln Asp Ala Ala Pro Val Ala Pro Ala	
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agg atc aaa cgc ccc ttg cac tcc cag gca aac agg tac tct gag cca	672
Arg Ile Lys Arg Pro Leu His Ser Gln Ala Asn Arg Tyr Ser Glu Pro	
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Leu Asn Cys Lys Ala His Arg Lys Tyr Ser Gln Val Asp Asn Leu Lys	
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aat ccc ttc agt gac gaa ttt gac tat gac cta gcc atg tcc act cgg	816
Asn Pro Phe Ser Asp Glu Phe Asp Tyr Asp Leu Ala Met Ser Thr Arg	
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ctc cac aag gga gac gag ggc tat ggc cgc ccc aaa gag gga agc aag	864
Leu His Lys Gly Asp Glu Gly Tyr Gly Arg Pro Lys Glu Gly Ser Lys	
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aca gct gaa agg gcc aag cga gcg gaa gag cac atc tat cgg gaa att	912
Thr Ala Glu Arg Ala Lys Arg Ala Glu Glu His Ile Tyr Arg Glu Ile	
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atg gaa ctg tgc ttt gtt atc cgc aca atg gct cgc cac aga cga gat	960
Met Glu Leu Cys Phe Val Ile Arg Thr Met Ala Arg His Arg Asp	
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Gly Lys Ile Gln Val Thr Phe Gly Glu Leu Phe Asp Arg Tyr Val Arg	
325 330 335	
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Ile Ser Asp Lys Val Val Gly Ile Leu Met Arg Ala Arg Lys His Gly	
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1128

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 Glu Ala Gly Pro Tyr Gln His Ala Pro Lys Thr Leu Ser Pro Lys Pro  
 65 70 75 80  
 Asp Arg Asp Gly Glu Gly Gln His Ser Glu Glu Ala Thr Glu Val Ser  
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 His Ile Lys Arg Lys Glu Val Thr Arg Thr Val Val Ser Lys Ala Tyr  
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 Glu Arg Gly Gly Asp Val Asn Tyr Leu Ser His Arg Tyr Glu Asn Asp  
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 Gly Gly Val Ser Glu Ala Ile Gln Pro Glu Asn Asp Ile Asp Arg Ile  
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 210 215 220  
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 225 230 235 240  
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 Gly Lys Ile Gln Val Thr Phe Gly Glu Leu Phe Asp Arg Tyr Val Arg  
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35 40 45  
Thr Arg Arg Arg Tyr Cys Gly Gly Lys Ala Gly Thr Phe Val Lys Ala  
50 55 60  
Ile Gly Arg Lys Glu Gly Lys Ser Met Gly Ser Arg Ser Ser Ser Leu  
65 70 75 80  
Asp Ala Asp Asp Ser Gly Leu Gly Glu Glu Ala Ser Leu Ser Asp Asn  
85 90 95  
Ser Asp Leu Asn Glu Asn Glu Pro Lys Lys His Val Asn Arg His Lys  
100 105 110  
Ile Lys Val Thr Thr Met Gly Asp Leu Arg Ser Arg Trp Gln Arg Phe  
115 120 125  
Ala Glu Asp His Met Glu Gly Gln Lys Leu Asn Pro Phe Ser Glu Glu  
130 135 140

Phe Asp Tyr Asp His Ala Met Ala Thr Arg Leu His Lys Gly Asp Ala  
145 150 155 160  
Gly Tyr Gly Arg Pro Lys Lys Asp Pro Lys Gln Leu Ser Glu Gln Ile  
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Glu Met Glu Gln Asn Val Ala Thr Gln Ser Lys Asp Asp Val Tyr Ser  
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aaa gat ttt act caa aag aaa atg gac aag tcc agt agc gaa tat gga 144  
Lys Asp Phe Thr Gln Lys Lys Met Asp Lys Ser Ser Ser Glu Tyr Gly  
35 40 45  
cgg cca aaa cca gga act ctt aca gag caa aga gct aaa aaa gct gcc 192  
Arg Pro Lys Pro Gly Thr Leu Thr Glu Gln Arg Ala Lys Lys Ala Ala  
50 55 60  
gcc cac gtt cac aga gaa atg cta aca tta tgt gaa gtt gtg gag gat 240  
Ala His Val His Arg Glu Met Leu Thr Leu Cys Glu Val Val Glu Asp  
65 70 75 80  
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Tyr Gly Lys Gln Glu Lys Glu Gly Asp Pro Ile Arg Ile Thr Phe Gly  
85 90 95  
aga ctt ttc aca att tat gtc aat att tct gat aag gta gtt gga acc 336  
Arg Leu Phe Thr Ile Tyr Val Asn Ile Ser Asp Lys Val Val Gly Thr  
100 105 110  
ctt ttg cga gct cgt aaa cac aaa atg ata gat ttt gaa gga gaa atg 384  
Leu Leu Arg Ala Arg Lys His Lys Met Ile Asp Phe Glu Gly Glu Met  
115 120 125  
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Leu Phe Gln Lys Arg Asp Asp His Val Ile Ile Thr Leu Leu Leu Ser



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50 55 60	
Ala His Val His Arg Glu Met Leu Thr Leu Cys Glu Val Val Glu Asp	
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Tyr Gly Lys Gln Glu Lys Glu Gly Asp Pro Ile Arg Ile Thr Phe Gly	
85 90 95	
Arg Leu Phe Thr Ile Tyr Val Asn Ile Ser Asp Lys Val Val Gly Thr	
100 105 110	
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115 120 125	
Leu Phe Gln Lys Arg Asp Asp His Val Ile Ile Thr Leu Leu Leu Ser	
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35 40 45	
Gln Asp Gly Arg Ala Ala Ser Pro Lys Pro Thr Phe Ser Lys Asp Gln	
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Pro	Pro	Gln	Ser	Thr	Ser	Val	Leu	Met	Asp	Arg	Ser	Ala	His	Glu	Gln	210	215	220	
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Val	Thr	Glu	Ala	Pro	Ser	Thr	Glu	Glu	Thr	Thr	Pro	Thr	Thr	Ser	Glu	325	330	335	
Pro	Gln	Ala	Glu	Glu	Ala	Pro	Ala	Ala	Val	Ala	Pro	Ala	Gly	Pro	Ala	340	345	350	
Asp	Asp	Leu	Pro	Thr	Ile	Val	Ile	Glu	Ala	Thr	Ala	Glu	Phe	Val	Arg	355	360	365	

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Primer

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